

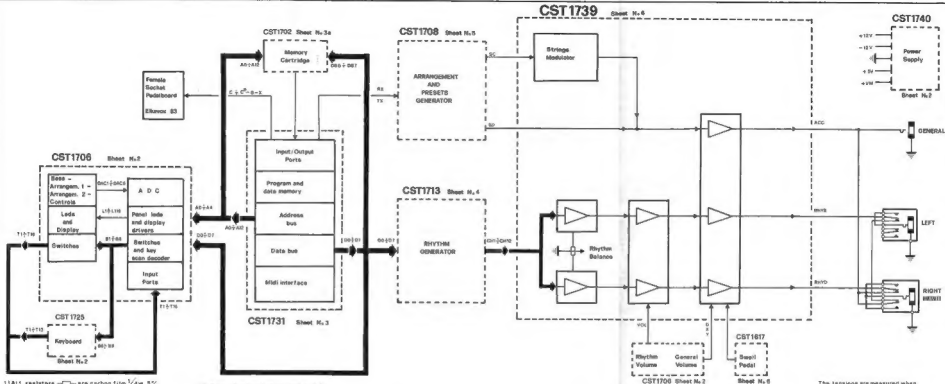


Professional
ELKA

OMB 5

DIGITAL AND PROGRAMMABLE
ACCOMPANIMENT UNIT





1) ALL resistors \square are carbon film $\frac{1}{4}$ W 5%

2) ALL resistors marked by a point \square must be metal film 2%

3) ALL capacitors marked by a point \square must be plastic film 2%

4) ALL resistors \square must be mounted 10mm above board

5) ALL resistors \square must be mounted 10mm above board and non-flammable

6) ALL capacitors marked by asterisk \square must be ceramic

7) ALL capacitors marked by a square \square must be tantalum

8) ALL capacitors marked by a square \square must be electrolytic no polarized

9) \square GND analog

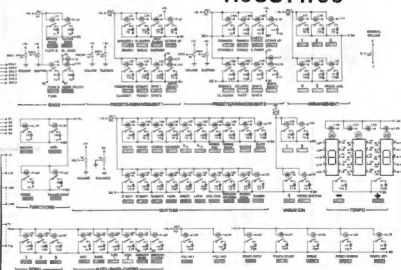
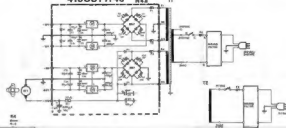
10) \square GND logic

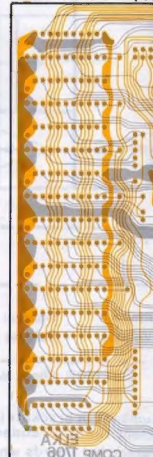
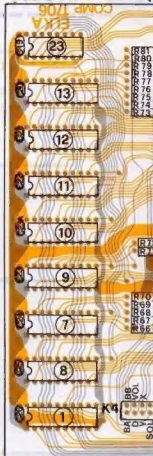
ALL diodes are:
FDH 9439 Fairchild
or 125 ITT
or BA 130
or 2pF

The numbers in brackets (470R) represent the ELKA codes of the assembled boards whilst the others represent the ELKA codes of the non-assembled boards

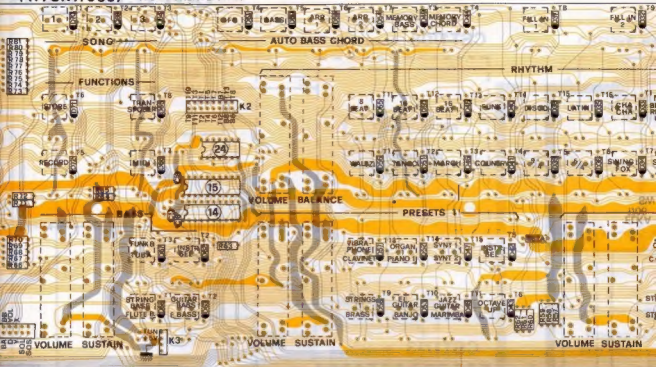
The tensions are measured when the instrument is turned on but not played

The firm reserves the right to make changes without any warning and to their own discretion

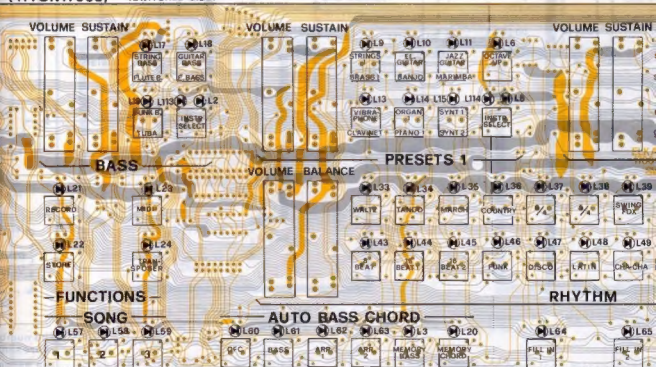
[illegible][illegible]

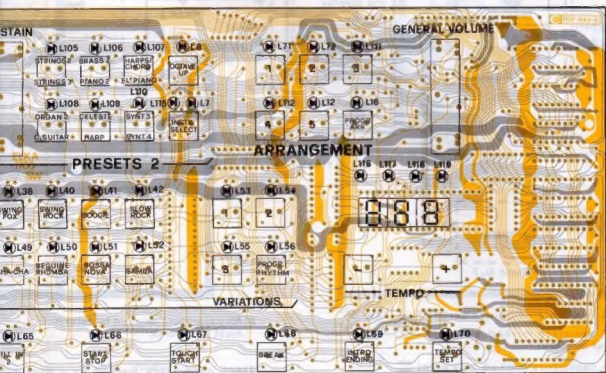
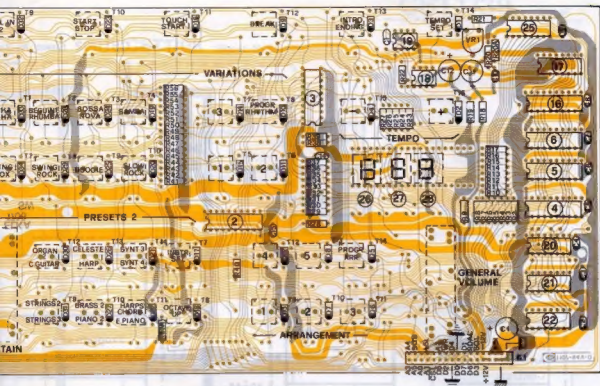


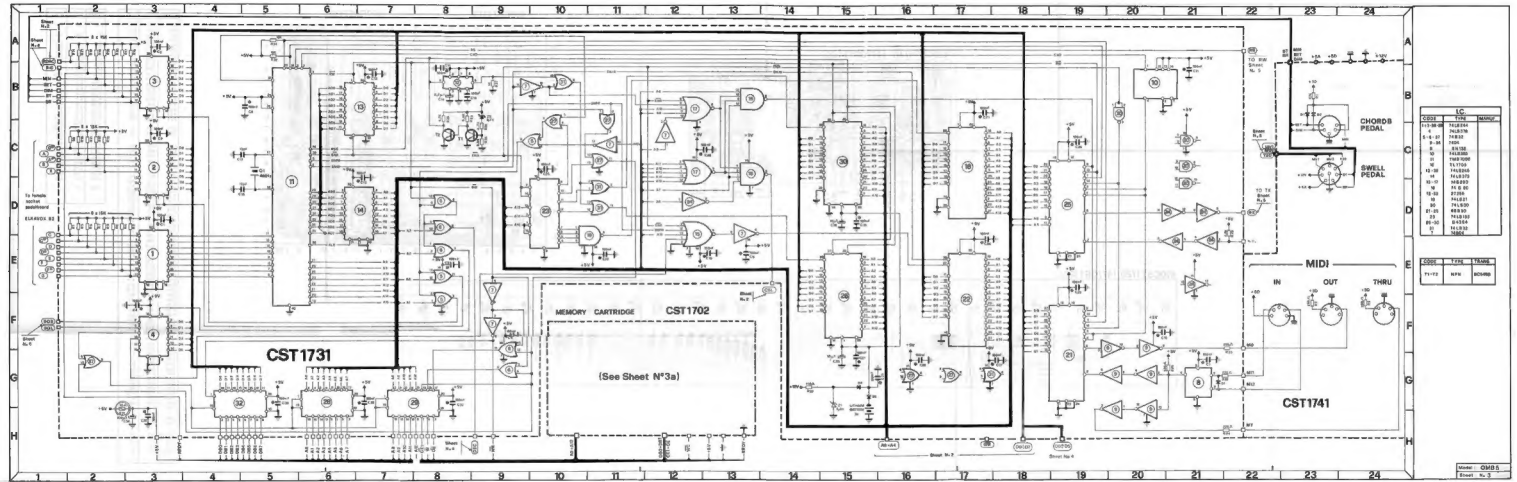
(477GR17060) (COMPONENTS SIDE)



(477GR17060) (SWITCHES SIDE)







CODE	TYPE	MARK
1-13-88-88	74LS244	
1	74LS274	
5-15-87	74LS32	
9-34	74LS04	
9	74LS158	
10	74LS200	
11	74LS1000	
12	74LS109	
13-16	74LS244	
14	74LS274	
15-17	74LS32	
18	74LS04	
19-20	74LS158	
21-23	74LS200	
24-25	74LS1000	
26-27	74LS109	
28	74LS244	
29	74LS274	
30	74LS32	
31	74LS04	

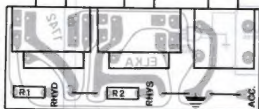
CODE	TYPE	MARK
71-72	NPN	BC108

410CST1742

RIGHT (MONO)

LEFT

GENERAL



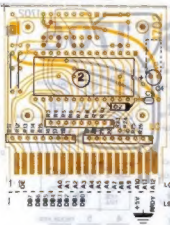
(477GR17420)

PEDALBOARD

ELKAVOX 83

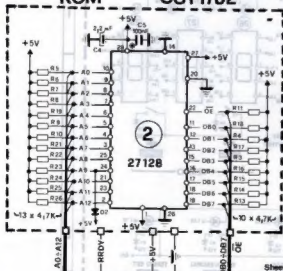


(Solders Side)

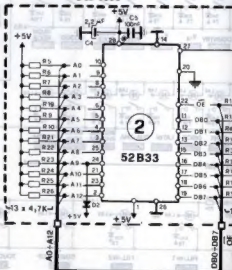
(477GR1702)
410CST1702

CARTRIDGE

ROM CST1702



RAM



Sheet N. 3

PEDALBOARD

ELKAVOX 83



(Solders Side)

TUNING



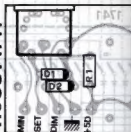
F000504

(477GR05044)

(Solders Side)

CHORDS PEDAL

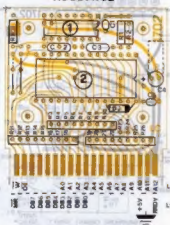
410CST1741



(477GR17020)

410CST1702

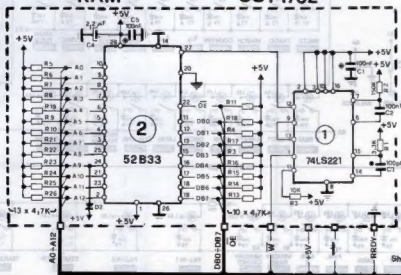
2)
02



CARTRIDGE

RAM

CST1702



Sheet No.3

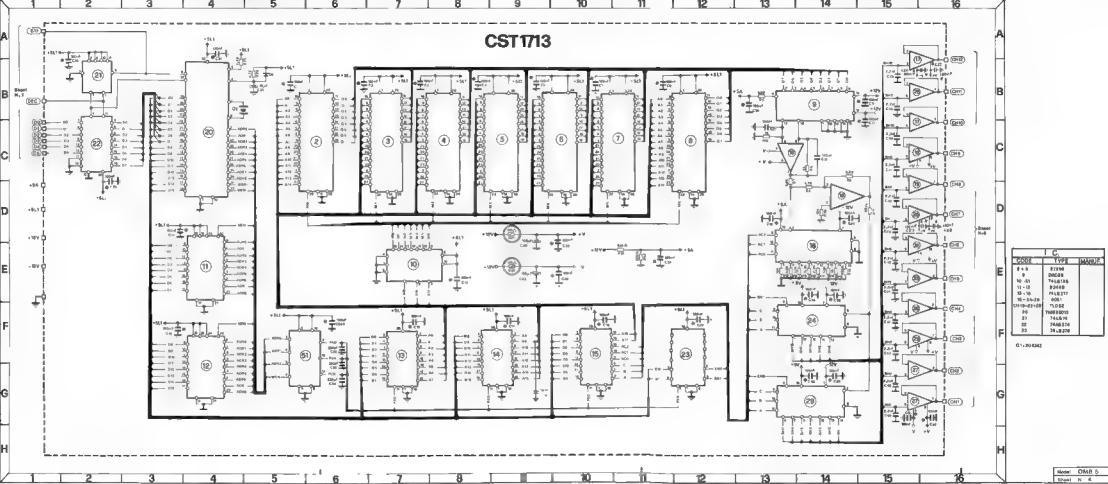
Sheet No.3

A
B
C
D
E
F
G
H
I
J
L
M



1 | 2

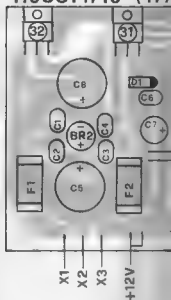
CST1713



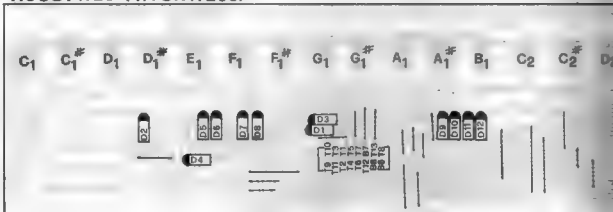
CODE	TYPE	MANUFACT
8-9	813M	
10	813M	
11-12	813M	
13-14	813M	
15-16	813M	
17-18	813M	
19-20	813M	
21-22	813M	
23	813M	

01-20-82

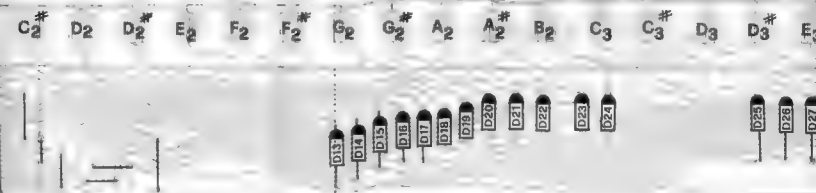
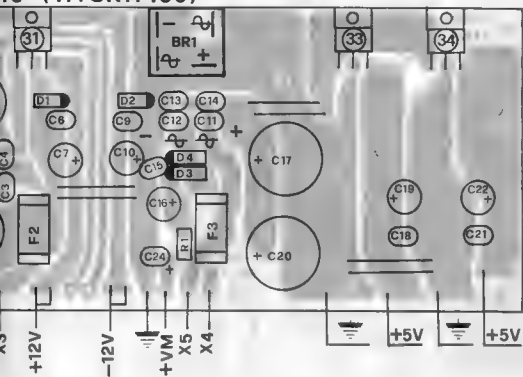
410CST1740 (477



410CST1725 (477GR17250)

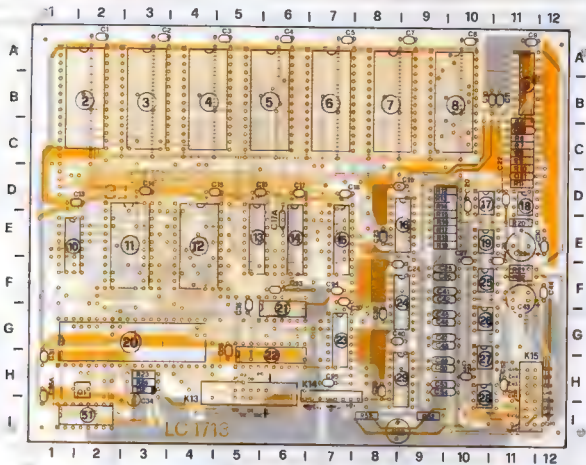


40 (477GR17400)



410CST1713

(477GR17130)



F₃ F₃ F₃^{*} G₃ G₃^{*} A₃ A₃^{*} B₃ C₄



0 1 2 12

0 1 2 12



A
-
B
-
C
-
D
-
E
-
F
-
G
-
H
-
I

COMP.	S. D.	P. B.
R5	B13	C11
R6	C14	C11
R7	D13	C11
R8	D14	C11
R9	C14	C11
R10	C13	D11
R11	D15	D11
R12	E14	D9
R13	E13	D9
R14	E14	D9
R15	E14	E9
R16	E14	E9
R17	E14	E9
R18	E13	E9
R19	E14	E9
R20	D14	E11
R21	D9	F11
R22	E9	F11
R23	B4	H3
R24	B5	H3
R51	E11	I8
R52	E11	I9
C1	B5	A2
C2	B6	A3
C3	B7	A5
C4	B8	A6
C5	B9	A7
C7	B10	A9
C8	B11	A10
C9	B15	A11
C10	B13	B10
C11	C15	B11
C12	C14	C11
C13	E8	D1
C14	D3	D3
C15	F3	D4
C16	F7	D5
C17	F9	D6
C18	F10	D7
C19	D13	D8
C20	B16	D10
C21	C13	D11
C22	B16	D11
C23	D14	E8
C24	E14	F8
C25	B15	F9
C26	C15	F9
C27	D16	F10
C28	D16	F11
C29	D9	E11
C30	D10	E12
C31	A4	H1
C32	B5	H2
C33	B5	H2
C34	B5	I3
C35	D2	G5
C36	B2	G5
C37	F12	F7
C38	E14	G8
C39	G14	H8
C40	G14	G9
C41	C15	F8
C42	D15	F9
C43	E9	F11
C44	E10	F12
C45	B15	G9
C46	D15	G9
C47	F15	G9
C48	E15	G9
C49	G15	H9
C50	G15	H9
C51	G15	H10
C52	G16	H11
C53	F15	H9
C54	E15	H9
C66	B2	G7
C67	A3	G7
C82	E11	I8
C83	F6	F6
C84	G6	F7
C85	F6	H7
C98A	F6	I1

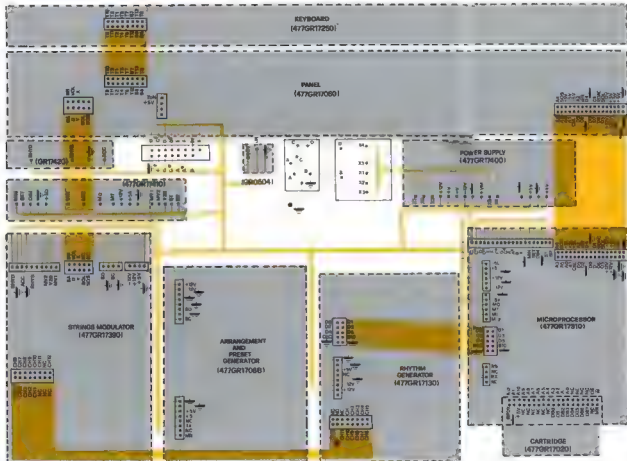
COMP.	S. D.	P. B.
D2	B5	H3
Q1	B4	H2
IC2	C6	B2
IC3	C7	B3
IC4	C8	B4
IC5	C9	B6
IC6	C10	B7
IC7	C11	B8
IC8	C12	B10
IC9	B14	B11
IC10	E7	E1
IC11	E4	E3
IC12	G4	E4
IC13	F7	E5
IC14	F9	E6
IC15	F10	E7
IC16	E14	E9
IC17	B15	D10
IC18	D14	D11
IC19	C15	E10
IC20	C4	G3
IC21	B2	G6
IC22	C2	H6
IC23	F12	G7
IC24	F14	F9
IC25	D15	F10
IC26	E15	G10
IC27	G15	H10
IC28	F15	H10
IC29	G14	H9
IC51	F5	I2

410CST1708

CODE	TYPE	VALUE
1	10K	10K
2	10K	10K
3	10K	10K
4	10K	10K
5	10K	10K
6	10K	10K
7	10K	10K
8	10K	10K
9	10K	10K
10	10K	10K
11	10K	10K
12	10K	10K
13	10K	10K
14	10K	10K
15	10K	10K
16	10K	10K
17	10K	10K
18	10K	10K
19	10K	10K
20	10K	10K
21	10K	10K
22	10K	10K
23	10K	10K
24	10K	10K
25	10K	10K
26	10K	10K
27	10K	10K
28	10K	10K
29	10K	10K
30	10K	10K
31	10K	10K
32	10K	10K
33	10K	10K
34	10K	10K
35	10K	10K
36	10K	10K
37	10K	10K
38	10K	10K
39	10K	10K
40	10K	10K
41	10K	10K
42	10K	10K
43	10K	10K
44	10K	10K
45	10K	10K
46	10K	10K
47	10K	10K
48	10K	10K
49	10K	10K
50	10K	10K
51	10K	10K
52	10K	10K
53	10K	10K
54	10K	10K
55	10K	10K
56	10K	10K
57	10K	10K
58	10K	10K
59	10K	10K
60	10K	10K
61	10K	10K
62	10K	10K
63	10K	10K
64	10K	10K
65	10K	10K
66	10K	10K
67	10K	10K
68	10K	10K
69	10K	10K
70	10K	10K
71	10K	10K
72	10K	10K
73	10K	10K
74	10K	10K
75	10K	10K
76	10K	10K
77	10K	10K
78	10K	10K
79	10K	10K
80	10K	10K
81	10K	10K
82	10K	10K
83	10K	10K
84	10K	10K
85	10K	10K
86	10K	10K
87	10K	10K
88	10K	10K
89	10K	10K
90	10K	10K
91	10K	10K
92	10K	10K
93	10K	10K
94	10K	10K
95	10K	10K
96	10K	10K
97	10K	10K
98	10K	10K
99	10K	10K
100	10K	10K

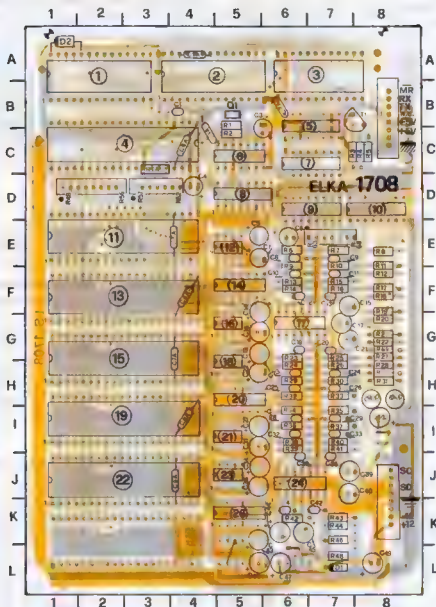
CODE	TYPE	VALUE
1	10K	10K
2	10K	10K
3	10K	10K
4	10K	10K
5	10K	10K
6	10K	10K
7	10K	10K
8	10K	10K
9	10K	10K
10	10K	10K
11	10K	10K
12	10K	10K
13	10K	10K
14	10K	10K
15	10K	10K
16	10K	10K
17	10K	10K
18	10K	10K
19	10K	10K
20	10K	10K
21	10K	10K
22	10K	10K
23	10K	10K
24	10K	10K
25	10K	10K
26	10K	10K
27	10K	10K
28	10K	10K
29	10K	10K
30	10K	10K
31	10K	10K
32	10K	10K
33	10K	10K
34	10K	10K
35	10K	10K
36	10K	10K
37	10K	10K
38	10K	10K
39	10K	10K
40	10K	10K
41	10K	10K
42	10K	10K
43	10K	10K
44	10K	10K
45	10K	10K
46	10K	10K
47	10K	10K
48	10K	10K
49	10K	10K
50	10K	10K
51	10K	10K
52	10K	10K
53	10K	10K
54	10K	10K
55	10K	10K
56	10K	10K
57	10K	10K
58	10K	10K
59	10K	10K
60	10K	10K
61	10K	10K
62	10K	10K
63	10K	10K
64	10K	10K
65	10K	10K
66	10K	10K
67	10K	10K
68	10K	10K
69	10K	10K
70	10K	10K
71	10K	10K
72	10K	10K
73	10K	10K
74	10K	10K
75	10K	10K
76	10K	10K
77	10K	10K
78	10K	10K
79	10K	10K
80	10K	10K
81	10K	10K
82	10K	10K
83	10K	10K
84	10K	10K
85	10K	10K
86	10K	10K
87	10K	10K
88	10K	10K
89	10K	10K
90	10K	10K
91	10K	10K
92	10K	10K
93	10K	10K
94	10K	10K
95	10K	10K
96	10K	10K
97	10K	10K
98	10K	10K
99	10K	10K
100	10K	10K

WIRING CONNECTION DIAGRAM



410CST1708

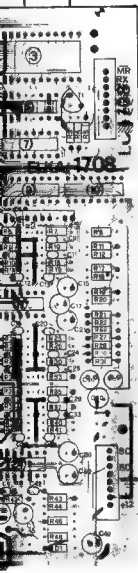
(477GR1708)



R1	F2
R2	F1
R3	A1
R4	A2
R5	D2
R6	C11
R7	B11
R8	A13
R9	C11
R10	B11
R11	A13
R12	C13
R13	C12
R14	C11
R15	B12
R16	A11
R17	C13
R18	E13
R19	E13
R20	F13
R21	F13
R22	H13
R23	E11
R24	E12
R25	F11
R26	G12
R27	H13
R28	J13
R29	E11
R30	G11
R31	I13
R32	E11
R33	F11
R34	J11
R35	H11
R36	J11
R37	H11
R38	J12
R39	J11
R40	H12
R41	H11
R42	B14
R43	C14
R44	D15
R46	B15
R48	K10
R49	B7
R50	B7
R51	B7
R52	B7
R53	B7
R54	A7
R55	A7
R56	A7
R57	K13
R58	I13
R59	G13
R60	F13
R61	D13
R62	B13
R63	H12
R64	J12
R65	F12
R66	C12
R67	E12
R68	A12
R69	A14
R70	A5
C1	G1
C2	B3
C3	A11
C4	C12
C5	B2
C6	D11
C7	B11
C8	D11
C9	B11
C10	D11
C11	B11
C12	C12
C13	A12
C14	C11
C15	A12
C16	D10
C17	E12
C18	E11
C19	D12
C20	F12

GR1708)

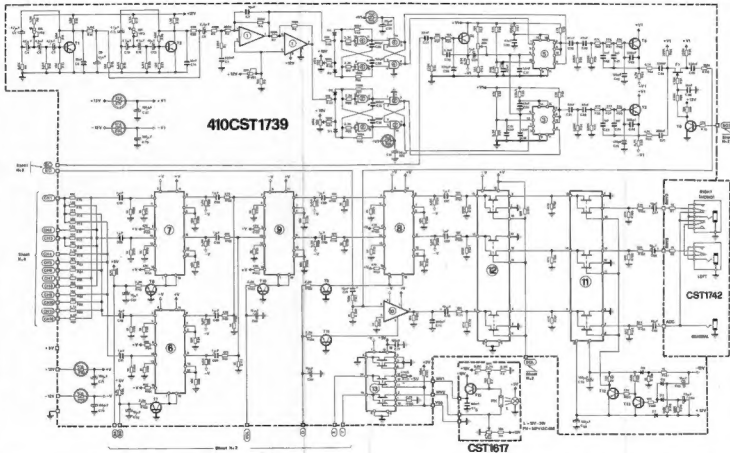
6 | 7 | 8



6 | 7 | 8

COMP.	S. D.	S. C.
R1	F2	C5
R2	F1	C5
R3	A1	C8
R4	A2	C8
R5	D2	C8
R6	C11	E6
R7	B11	E7
R8	A13	E8
R9	C11	F6
R10	B11	F7
R11	A13	F8
R12	C13	F8
R13	C12	F6
R14	C11	F6
R15	B12	F7
R16	A11	F7
R17	C13	F6
R18	E13	F6
R19	E13	G8
R20	F13	G8
R21	F13	G8
R22	H13	G8
R23	E11	H6
R24	E12	H6
R25	F11	H7
R26	G12	H7
R27	H13	H8
R28	J13	H8
R29	E11	H6
R30	G11	H7
R31	I13	H8
R32	E11	H6
R33	F11	H7
R34	J11	I8
R35	H11	I8
R36	J11	I8
R37	H11	I7
R38	J12	I6
R39	J11	J6
R40	H12	I7
R41	H11	J7
R42	B14	K6
R43	C14	K7
R44	D15	K7
R46	B15	K7
R48	K10	L7
R49	B7	D1
R50	B7	D1
R51	B7	D2
R52	B7	D2
R53	B7	D2
R54	A7	D2
R55	A7	D2
R56	A7	D2
R57	K13	D3
R58	I13	D3
R59	G13	D3
R60	F13	D3
R61	D13	D4
R62	B13	D4
R63	H12	E7
R64	J12	E7
R65	F12	E7
R66	C12	E7
R67	E12	E7
R68	A12	E8
R69	E14	H8
R70	E14	H8
C1	A5	B4
C2	G1	C6
C3	B3	D4
C4	A11	E5
C5	C12	E8
C6	B2	E5
C7	D11	E6
C8	B11	E7
C9	D11	F6
C10	B11	F7
C11	C12	F6
C12	A12	F7
C13	C11	G6
C14	A12	G7
C15	D10	G5
C16	E12	G7
C17	E11	G5
C18	D12	G6
C19	F12	G7
C20		

COMP.	S. D.	S. C.
C21	F12	G7
C22	E10	H6
C23	E11	H6
C24	G11	H7
C25	E11	H6
C26	G11	H7
C27	F11	I5
C28	J11	I6
C29	I11	I7
C30	I1	I8
C31	G10	I5
C32	J11	I6
C33	I11	I7
C34	H11	J5
C35	I12	J6
C36	H12	J7
C37	I3	J8
C38	I10	J5
C39	H12	J7
C40	J12	J7
C41	B14	K6
C42	C14	K7
C43	J11	K6
C44	B15	K6
C45	D15	K6
C46	J10	L5
C47	K10	L6
C48	J3	L6
C49	I1	L8
C50	B14	H8
C51	C14	H8
D1	K9	L7
T1	A1	B8
T2	I2	I8
T3	I2	L8
Q1	E2	B5
IC1	B5	A2
IC2	B6	A4
IC3	B2	A7
IC4	C3	C2
IC5	G2	C7
IC6	F2	C5
IC7	F5	C7
IC8	H5	D6
IC9	H13	D7
IC10	C13	D8
IC11	B6	E2
IC12	B10	E5
IC13	C8	F2
IC14	C10	F5
IC15	E8	G2
IC16	C10	G6
IC17	E12	G6
IC18	G8	H5
IC19	F10	I2
IC20	F10	I5
IC21	G10	I5
IC22	H8	J2
IC23	H10	J6
IC24	B14	J6
IC25	J8	K2
IC26	H10	K6
IC27	J10	L5



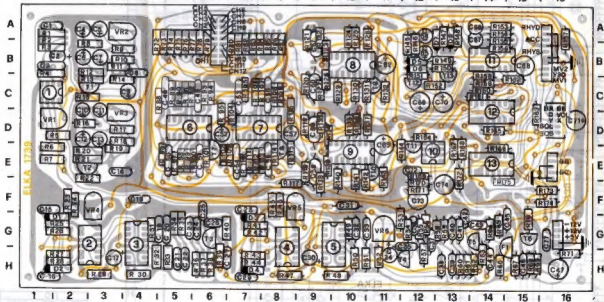
I.C.		
CODE	TYPE	MANUFACTURER
1	TL082	
2-4	4047	
5-6	TLA0402	
8-9	10000	
10	LM2000	
11-12	4042	

CODE	TYPE	MANUFACTURER
11-12	8048	PC848B
13-14	8048	8048B
15	4047	4047B
16	8048	8048B

410CST1739

(477GR17390)

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16



Model: OMB 5

Sheet N. 6a

COMP.	S.D.	P.B.
R1	B5	A1
R2	A5	B1
R3	A5	B1
R4	A6	C1
R5	B6	D2
R6	A6	E1
R7	A6	E1
R8	B1	B2
R9	A2	B3
R10	A2	B3
R11	A2	B3
R12	B2	C3
R13	B2	C3
R14	A3	C3
R15	B3	C2
R16	B3	D2
R17	A3	D3
R18	A4	E3
R19	A4	E3
R20	B4	E2
R21	B4	E2
R22	A5	F2
R23	C7	F2
R24	C7	F2
R25	C7	G2
R26	C8	G2
R27	B8	H2
R28	C7	H2
R29	C8	H3
R30	C11	H4
R31	C10	G4
R32	C10	H4
R33	C11	H5
R34	C12	G5
R35	C12	G5
R36	C12	H6
R37	C12	H6
R38	C13	H6
R39	G13	H6
R40	C13	G7
R41	B7	G7
R42	B8	G7
R43	A8	H7
R44	B7	F8
R45	B7	F8
R46	B7	F8
R47	A8	H8
R48	A11	H10
R49	B10	G10
R50	A10	H10
R51	A11	H11
R52	A10	H11
R53	B10	G12
R54	B10	G12
R55	A9	G12
R56	B9	G12
R57	A9	H12
R58	B12	G13
R59	B12	G13
R60	B12	H13
R61	B12	H14
R62	B13	H14
R63	B13	H14
R64	B13	G14
R65	B14	G14
R66	B13	H14
R67	B14	H15
R68	C14	H15
R69	C14	H16
R70	C14	G15
R71	C3	H16
R72	F2	B4
R73	E2	B5
R74	E2	B5
R75	E2	B5
R76	E2	B5
R77	E2	B5
R78	E2	B6
R79	E2	B6
R80	F2	B7
R81	F2	B7
R82	F2	B7
R83	F2	B7
R84	F2	B7
R85	F2	B8
R86	G2	B8
R87	G2	B8
R88	G5	C5
R89	G5	C5
R90	G5	C5
R91	G5	C5
R92	G4	C5
R93	G3	C6
R94	G4	C6
R95	H3	D6
R96	H5	E5
R97	H5	E5
R98	H5	E5
R99	H4	E8
R100	H3	E8
R101	H4	E8

COMP.	S.D.	P.B.
R102	H4	E8
R103	H3	E7
R104	E5	D7
R105	C7	B8
R106	E5	C7
R107	E4	C8
R108	E3	C8
R109	E4	C8
R110	E5	E7
R111	F7	F7
R112	F4	E7
R113	F3	E8
R114	F4	E8
R115	F3	E8
R116	F3	D8
R117	F7	F7
R118	E7	E9
R119	D7	D9
R120	E10	C8
R121	D10	B9
R122	E10	B9
R123	E9	B9
R124	E9	B10
R125	E6	B10
R126	E8	B11
R127	E10	C8
R128	E9	C8
R129	E9	C10
R130	F8	C10
R131	F8	C11
R132	F7	C11
R133	E7	D8
R134	E7	D10
R135	E7	D10
R136	E6	D10
R137	E6	D11
R138	E7	F8
R139	E7	F9
R140	F7	F10
R141	E8	F10
R142	F6	F11
R143	F8	F11
R144	G7	E12
R145	H4	B12
R146	H13	B12
R147	H13	A13
R148	H13	A13
R149	H13	B13
R150	H13	B13
R151	H12	C12
R152	H13	C13
R153	G13	A14
R154	E13	A14
R155	G13	B14
R156	E13	B14
R157	H2	B16
R158	F18	C14
R159	F11	C14
R160	E11	C14
R161	G11	C14
R162	E13	C15
R163	H9	D16
R164	G8	D12
R165	E11	D14
R166	H9	E14
R167	F8	E13
R168	G8	E13
R169	G9	F12
R170	G10	F12
R171	G10	F12
R172	G14	F13
R173	H2	F16
R174	C3	F16
R175	H8	F16
C1	B5	A1
C2	A5	B2
C3	A6	B1
C4	B1	A2
C5	A1	A3
C6	B2	B2
C7	B2	B3
C8	B2	C4
C9	B3	C4
C10	B3	D2
C11	A3	D3
C12	B4	E2
C13	B4	E3
C14	B4	E3
C15	C8	G1
C16	C8	H1
C17	D8	H3
C18	C11	F4
C19	C10	G5
C20	C11	G5
C21	C12	H5
C22	C12	H5
C23	C12	G5
C24	C12	G6
C25	C12	G6
C26	C13	G6
C27	C13	H7

COMP.	S.D.	P.B.
C28	B8	G7
C29	B8	H7
C30	A8	H8
C31	B11	F10
C32	B10	G10
C33	B11	G11
C34	B10	H11
C35	B9	H12
C36	B9	G12
C37	A9	G13
C38	B12	H13
C39	B12	H13
C40	B12	G13
C41	B12	G13
C42	B13	G14
C43	B13	G14
C44	B13	H14
C45	B14	G15
C46	B14	H15
C47	C3	H16
C48	G5	C5
C49	G3	C5
C50	G5	E5
C51	H3	E6
C52	H3	D6
C53	D6	C7
C54	E5	E7
C55	E3	E8
C56	D3	C8
C57	F3	D8
C58	D7	D9
C59	D7	D9
C60	E8	C8
C61	D9	B9
C62	H7	B11
C63	G6	E11
C64	H14	A12
C65	H14	B12
C66	G13	A13
C67	E13	B14
C68	E13	B15
C69	I12	C12
C70	H12	C13
C71	H3	D16
C72	G9	E12
C73	G9	F12
C74	F8	F13
C75	H3	F14
C76	C3	F15
C77	G8	G16
D1	C7	G2
D2	C7	H2
D3	B7	G7
D4	A7	H7
D5	H5	B12
D6	H13	B12
D7	I13	B13
D8	H13	B13
VR1	B6	D1
VR2	A2	A3
VR3	A3	D3
VR4	C7	F3
VR5	B7	F8
VR6	B10	G11
F1	B14	H15
T1	B2	C2
T2	B4	E2
T3	C13	G6
T4	A10	H12
T5	B13	G14
T6	C14	G15
T7	H4	E6
T8	F4	E8
T9	F7	C11
T10	F10	E11
T11	G7	E12
T12	H12	C12
T13	H13	C13
IC1	B6	C1
IC2	C6	H2
IC3	C11	H4
IC4	B5	H8
IC5	B11	H10
IC6	G4	D5
IC7	E4	D7
IC8	E8	B10
IC9	E6	E10
IC10	G8	E13
IC11	B14	B14
IC12	F10	D14
IC13	H8	E14

